

ABSTRACT OF THE DISCLOSURE

The present invention protects against denial of service attacks on lookup or hash tables used to store state information for data transfer protocols used to transfer data between two host computers. Two hash tables are provided for holding state information, one for verified remote entities (i.e., those where the remote local address can be traced to a host), and one for unverified entities. A cryptographically secure hash is applied to packets from unverified remote entities, since these are the most likely to attempt attacks on the hash tables. The performance of the local server for packets from verified remote entities, however, is maintained.

WORKMAN NYDEGGER
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111

W:\13768490\WCR0000000076V001.doc